Friday, 5/25/2007 8:36:45 AM Kim Johnston POSITIVE RECALL **Process Sheet** EFFECTIVE 07.06.65 AUTH : ARM **Drawing Name** : CU-DAR001 Dart Helicopters Services Curiomer RELEASED 07.06.06 DATE Job Number : 32646 : 12883 **Estimate Number** : D3560043 AIH: Part Number P.O. Number D3560 REV.B **Drawing Number** : 5/25/2007 S.O. No. : NA This Issue : N/A Prsht Rev. Project Number : MA : B : SMALL /MED FAB Drawing Revision First Issue Type : NA : NA Material Previous Run : 6/5/2007 Each Due Date Written By Checked & Approved By New Issue 07.05.24 EC Comment Additional Product Job Number: Description: Seq. #: Machine Or Operation: 6061-T6 Bar 50" x 5.0" 1.0 M6061T6B0500X0500 40.7925 f(s) Comment: Qtv.: Total: 1.3598 f(s)/Unit 6061-T6 Bar 0.50" x 5.00" Batch: 17675 2.0 BAND SAW BAND SAW Comment: BAND SAW Cut blanks 15.500" long 3.0 HAAS1 HAAS CNC VERTICAL MACHINING #1 Comment: HAAS CNC VERTICAL MACHINING #1 1- Mill as per Folio FA695 Rev: AA & Dwg D3560 Rev: S 2-C'sink 0.196" hole on manual mill as per dwg D3560 3-Deburr per dwg D3560 4.0 INSPECT PARTS AS THEY COME OFF MACHINE Comment: INSPECT PARTS AS THEY COME OFF MACHINE SECOND CHECK Comment: SECOND CHECK

# Dart Aerospace Ltd

W/O: WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
4.06.06	4	NO POWDER COAT. CHEM CONV. COAT ONLY.  REF ATTACHED DS EMAIL			100	97.06.06 pr (95) 047	
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Part No:	PAR #:	Fault Category:	NCR: Yes No DQA:	Date: Olivator
		10.	QA: N/C Closed:	Date:

N	ICR:		W	WORK ORDER NON-CONFORMANCE (NCR)								
	DATE	OTED	Description of NC		Corrective Action Section B		Verification	Approval	Approval			
	DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector			
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NOTE: Date & initial all entries

Friday, 5/25/2007 8:36:45 AM Date: Kim Johnston User: **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services Drawing Name: ARM Part Number: D3560043 Job Number: 32646 Job Number: Seq. #: Machine Or Operation: Description: 60 D35921 PLATE 30.0000 Each(s) Comment: Qty.: 1.0000 Each(s)/Unit Total: 07-06-26 PLATE LARGE FABRICATION RESOURCE 1 7.0 LARGE FAB Comment: LARGE FABRICATION RESOURCE 1 1-Weld assembly as per dwg D3560 Wild Red 3 104121 8.0 Comment: INSPEC TO CURRENT STEP VISUAL WELDING INSPECTION 9.0 QC9 07-06-28 (6 Comment: VISUAL WELDING INSPECTION 10.0 HAND FINISHING HAND FINISHING RESOURCE #1 Comment: HAND FINISHING RESOURCE #1 Chemical Conversion Coat as per QSI 005 4.1 11.0 POWDER COATING NO POWDER COAT SEE WID CHANGE SEE AHAINED E-MAIL. Comment: POWDER COATING Powder Goat White Gloss (Ref. 4.3.5.1) as per QSI 005 4.3 12.0 QC3 INSPECT POWDER COAT/CHEMICAL CONVERSION Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: WA

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W/O:		WORK ORDER CHANGES									
DATE	STEP	PROCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
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	TANK TO					6					
Part No		PAR #: Fault Category:	NCF	R: Yes	No DQ	A:	Date:	9/07/03			
				QA:	N/C Close	d:	_ Date: _				

NCR:			WORK ORDER NON-CONFORMANCE (NCR)									
		Description of NC		Corrective Action Section B		Verification	Approval	Approval				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector				
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NOTE: Date & initial all entries

Friday, 5/25/2007 8:36:45 AM Date: User: . Kim Johnston

**Process Sheet** 

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: ARM

Job Number: 32646

Part Number: D3560043

Job Number:



Seq. #:

Machine Or Operation:

Description:

14.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



POSITIVE RECALL

EFFECTIVE \_\_\_\_\_ AUTH

Dart Aei	rospace	e Ltd							
V4/O:			V	VORK ORDER CHANGES					
DATE	STEP	PROCI	EDURE CH	HANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
(S)									
Part No		PAR #:	Fault Ca	tegory:NC	CR: Yes N	lo DQA:		_ Date: _	
					QA: N/	C Closed:		_ Date: _	
NCR:		W	ORK OR	DER NON-CONFORMANC	E (NCR)	£ 24			
		Description of NC		Corrective Action Section B		Verifica	tion	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section		Chief Eng	QC Inspector
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1									

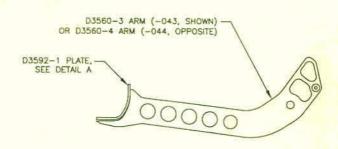
NOTE: Date & initial all entries

D3560-1 ARM (-041, SHOWN)
OR D3560-2 ARM (-042, OPPOSITE)

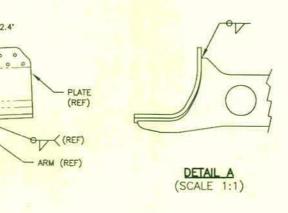
D3592-1 PLATE,
SEE DETAIL A

D3560-041 ARM WELDMENT (SHOWN). D3560-042 ARM WELDMENT (OPPOSITE)

1.557



D3560-043 ARM WELDMENT (SHOWN), D3560-044 ARM WELDMENT (OPPOSITE)



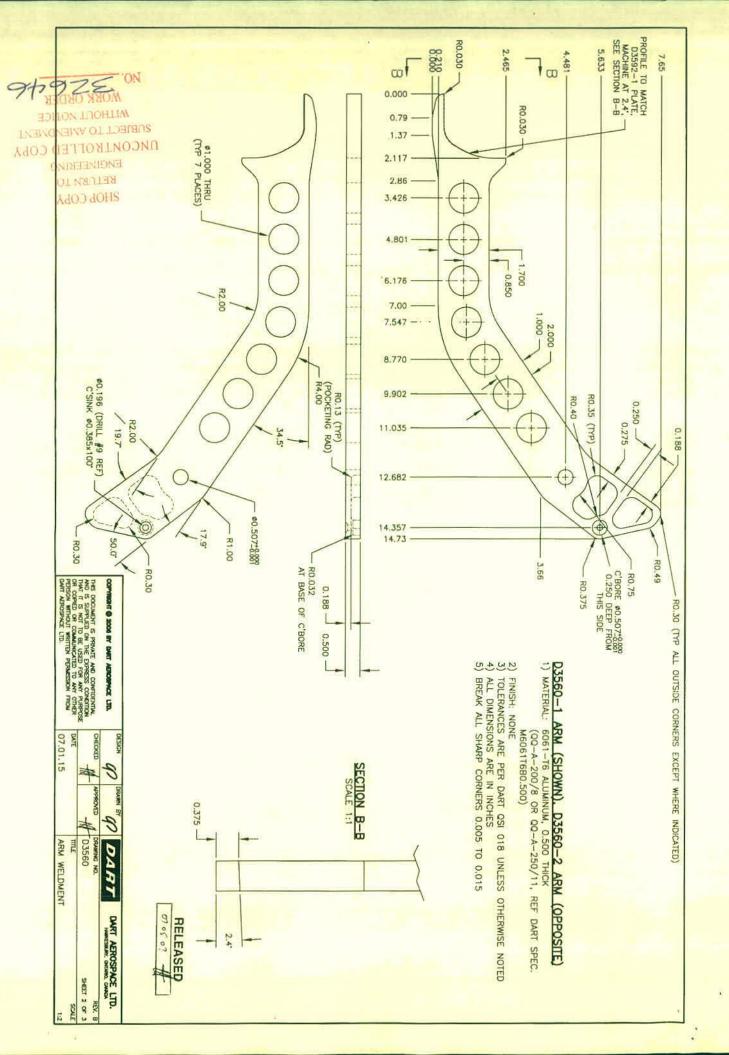
### GENERAL NOTES

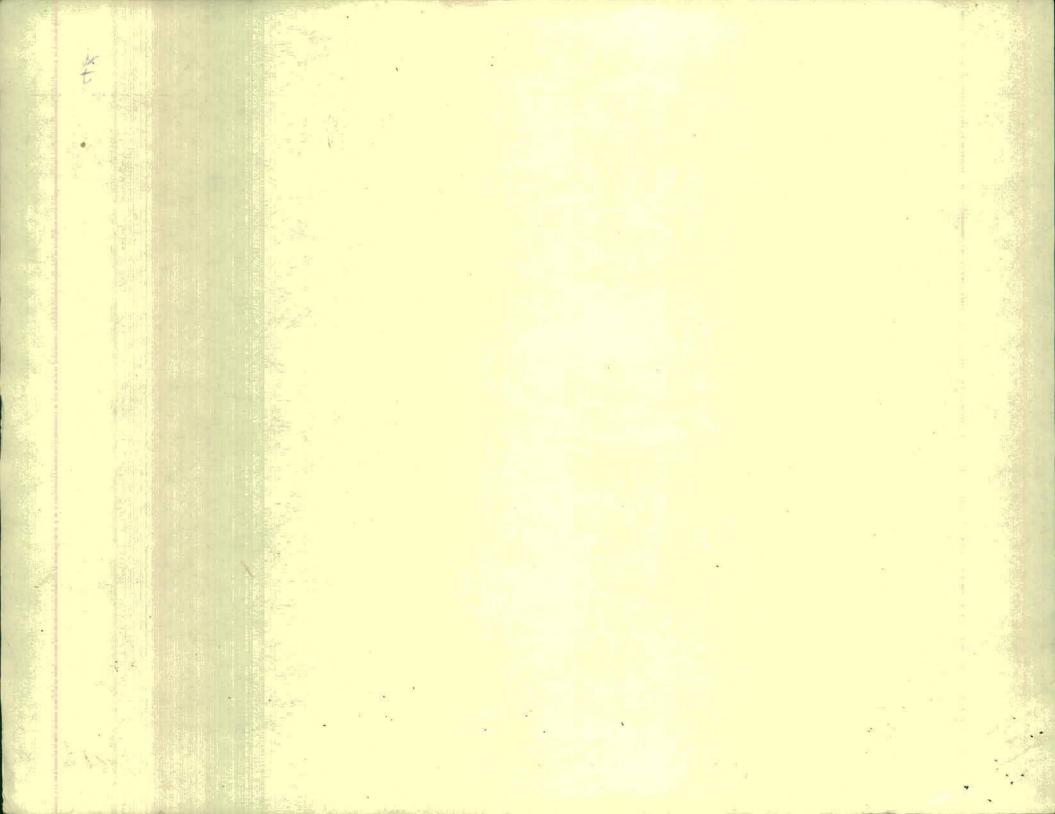
- 1) WELD PER QSI 004
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1 POWDER COAT WHITE (4.3.5.1) PER DART QSI 004 4.3
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES

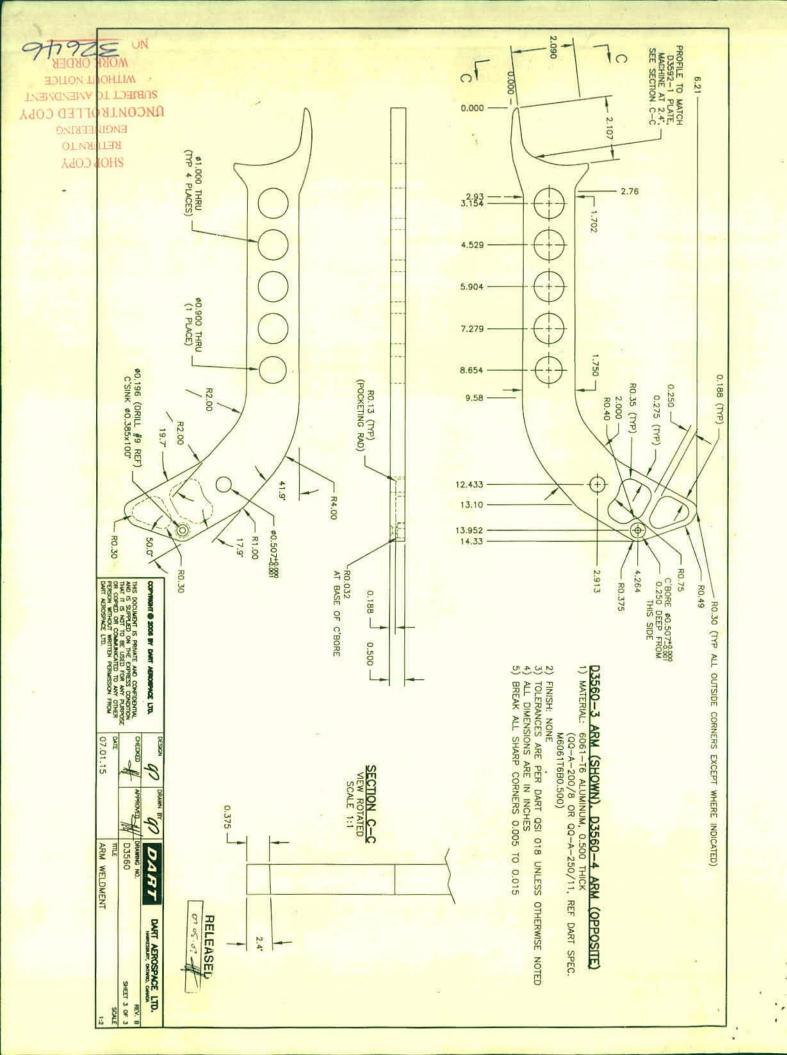
RELEASED

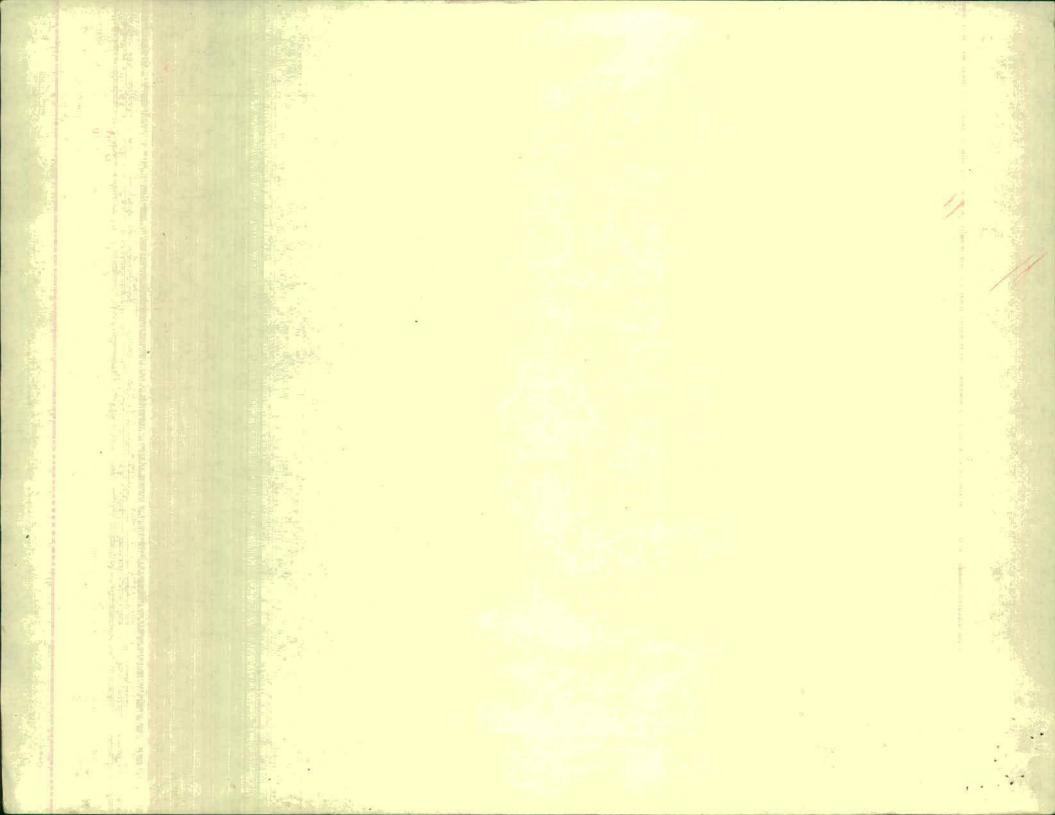
	В		07.01.15	REDESIGN AS V	WELDMENT, ADD POCKETS
	A		06.09.25	NEW ISSUE	
COPYRIGHT @ 2006 BY DART AEROSPACE LTD.	DESIGN	9	DRAWN BY	DART	DART AEROSPACE LTD.
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE	CHECKED	#	APPROVED A	DRAWING NO. D3560	REV. B SHEET 1 OF 3
OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	07.01	.15		TITLE ARM WELDMENT	SCALE 1:4











DART AEROSPACE LTD	Work Order: 37646
Description: ARM	Part Number: 73560-3
Inspection Dwg: 03560 Rev: 3	Page 1 of 1

## FIRST ARTICLE INSPECTION CHECKLIST

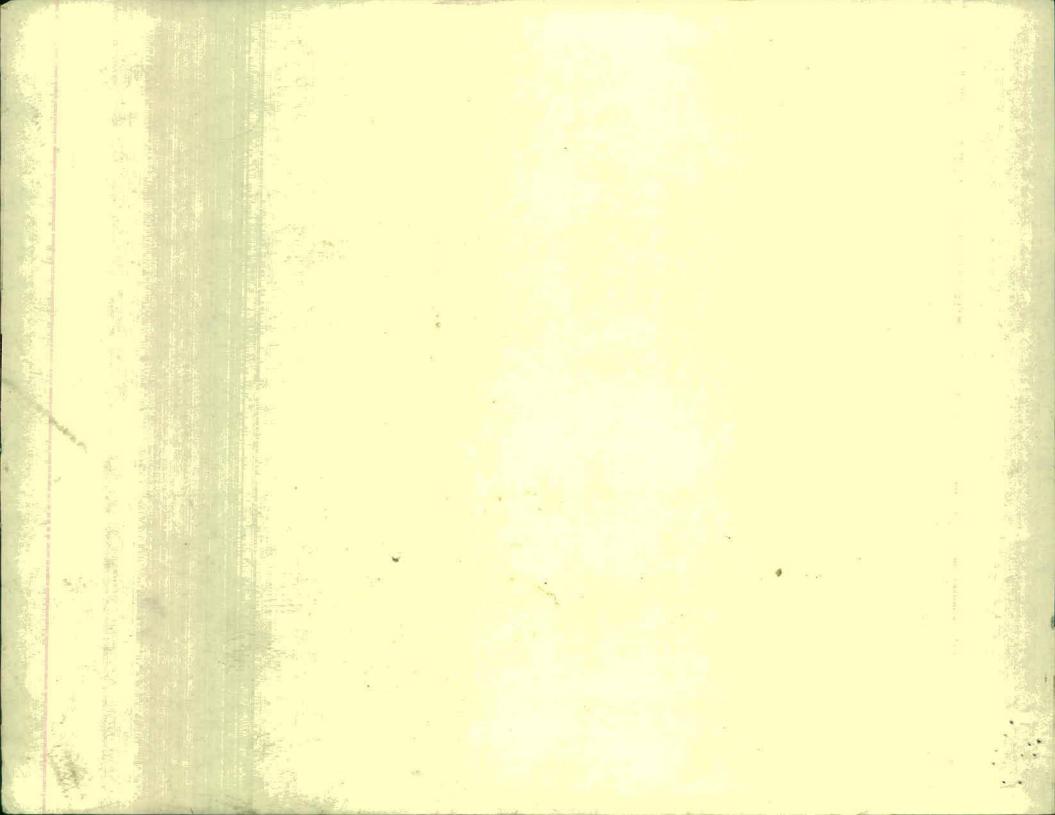
X	First Article	Prototype
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Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
13.957	1.010	13.948	_			
12.433	\$3	12.435	_			
7.9.3		2.912	/			
4.764	14	4.765	_			
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Measured by:	Audited by:	gnl	Prototype Approval:	
Date: 07-06-01	Date:	07/06/01	Date:	

Rev	Date	Change	0	Revised by	Approved
Α		New Issue	10 D3560-043	KJ/JLM	





#### Chris Provencal

From: David Shepherd [dshepherd@dartaero.com]

Sen:: June 5, 2007 5:18 PM

To: 'Chris Provencal'

Subject: RE: D3562-041/-042

As we have discussed previously, this is acceptable as long as the Magnabond doesn't break down.

Davd

From: Chris Provencal [mailto:cprovencal@dartaero.com]

Sent: Tuesday, June 05, 2007 11:00 AM To: David Shepherd (David Shepherd)

Subject: D3562-041/-042

David.

For the D3562-041/-042 step weldment, as discussed. They want to switch from Sikaflex to Magnabond, and powder coat after final assembly.

As part of this change, the D3560-XX arms won't be powder coated, and the D2808 Bushing won't be assembled until after final assembly of the step weldment.

Since this is the first time trying this, we will ensure that the steps are checked after powdercoating in case the Magnabond doesn anything unexpected (eg. bubbling). If we see anything suspect, we will assemble them the old way.

Is this acceptable.

-Chris

No virus found in this incoming message.

Checked by AVG Free Edition.

Version: 7.5,472 / Virus Database: 269.8.9/834 - Release Date: 6/5/2007 2:38 PM

No virus found in this outgoing message.

Cheeked by AVG Free Edition.

Versicn: 7.5.472 / Virus Database: 269.8.9/834 - Release Date: 6/5/2007 2:38 PM

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